LISTING OF CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for digitally processing a received signal in a frequency domain containing regular bursts of unwanted signal within the received signal, the method comprising the steps of:

(i) establishing timing characteristics of the regular bursts of unwanted signal to establish their positions in a portion of said received signal;

(ii) generating a time domain sinusoidal ~~window~~ function using said established timing characteristics, said time domain sinusoidal ~~window function being a sinusoidal~~ function having a zero crossing ~~substantially~~ coinciding with the position of each of the regular bursts of unwanted signal; and

(iii) applying the generated sinusoidal ~~window~~ function to said signal portion to selectively reduce the amplitude of said regular bursts of unwanted signal relative to other elements of said received signal in an output signal.

2. (Cancelled)

3. (Currently Amended) A method according to claim 1, further comprising the steps of:

(iv) applying a Fourier transform to the output signal to provide a transformed signal; and

(v) applying an algorithm to restore the shape of peaks in the transformed signal to an approximation of their form in the absence of said regular bursts of unwanted signal.

4. (Cancelled)